Panasonic®

# Operating Instructions

*Gemini*

# Microwave/Flat Heater Oven

## Model

# NN-8808P

## 700 watts

## PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

**(a) Do not attempt to operate this oven with the door open** since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.

**(b) Do not place any object** between the oven front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.

**(c) Do not operate the oven** if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:

**(1)** door (bent)
**(2)** hinges and latches (broken or loosened)
**(3)** door seals and sealing surfaces

**(d) The oven should not be adjusted or repaired** by anyone except properly qualified service personnel.

The serial number of this product may be found on the right side of the oven door opening. You should note the model number and the serial number of this oven in the space provided and retain this book as a permanent record of your purchase for future reference.

**Model No.** NN-8808P

**Serial No.** _____

**Date of Purchase** _____

Before operating this oven, please read these instructions completely.

# IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:
**WARNING**—To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

1. Read all instructions before using this appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY", found on front cover.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 3.
4. Install or locate this appliance only in accordance with the provided installation instructions. Position oven so that controls are easily accessible.
5. Some products such as whole eggs and sealed containers—for example, closed glass jars—may explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this manual.
7. As with any appliance, close supervision is necessary when used by children.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair or adjustment.
10. Do not cover or block any openings on this appliance.
11. Do not use outdoors.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. When cleaning surfaces of door and oven that come together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
16. To reduce the risk of fire in the oven cavity:
    (a) Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
    (b) Remove wire twist-ties from bags before placing bag in oven.
    (c) If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
17. Use extreme caution when removing oven accessories or cooking containers from oven or disposing of hot grease.

# SAVE THESE INSTRUCTIONS

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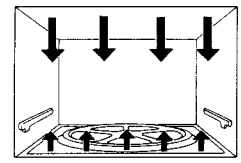
## General Use

1. Heater elements are installed above the oven ceiling and below the oven floor. Therefore, the top and bottom of the oven get very hot during and after using the BAKE, COMBINATION and BROIL functions. Please use caution when placing food in, or removing food from the oven.



2. Door will get hot during BAKE, COMBINATION and BROIL. Please handle door carefully.
3. Before using the BAKE, COMBINATION or BROIL functions for the first time, operate the oven without food on BAKE for 20 minutes at 450°F. This will allow the oil that is used for rust protection to be burned off.
4. Do NOT tamper with or make any adjustments or repairs to door, control panel housing, safety interlock switches or any other part of the oven. Do NOT remove outer panel from oven. Repairs should only be done by a qualified serviceperson.
5. Do NOT operate the oven empty on Combination or Microwave. The microwave energy will reflect continuously throughout the oven if no food or water is present to absorb energy.
6. If a fire occurs in the oven, touch the STOP/RESET Pad and LEAVE DOOR CLOSED. Disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
7. **Do NOT** use this oven to heat chemicals or other non-food products. **Do NOT** clean this oven with any product that is labeled as containing corrosive chemicals. **The heating of corrosive chemicals in this oven may cause microwave radiation leaks.**
8. Do NOT dry clothes, newspapers or other materials in oven. They may catch on fire.
9. Do NOT use recycled paper products, as they may contain impurities which may cause sparks and/or fires when used.
10. Do NOT use newspapers or paper bags for cooking.
11. Do NOT hit or strike control panel. Damage to controls may occur.
12. POT HOLDERS are needed when cooking. Heat is transferred from the hot food to the cooking container and/or oven accessories. The cooking container and/or oven accessories can be very hot when removing from oven.
13. Do NOT store flammable materials next to, on top, behind or in the oven. It could be a fire hazard.

FOR PROPER USE OF YOUR OVEN READ REMAINING SAFETY CAUTIONS AND OPERATING INSTRUCTIONS.

# INSTALLATION AND GROUNDING INSTRUCTIONS

## Examine Your Oven

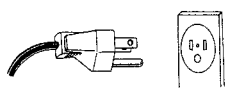
Unpack oven, remove all packing material, and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if oven is damaged. Do NOT install if oven is damaged.

## Placement of Oven

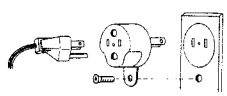
1. Oven must be placed on a flat, stable surface. For proper operation, the oven must have sufficient air flow. Allow 3 inches of space on both sides of the oven and 1 inch of space on top of oven.
   a. Do NOT block air vents.
      If they are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable until it has cooled.
   b. Do NOT place oven near a hot damp surface such as a gas or electric range.
   c. Do NOT operate oven when room humidity is too high.
2. This oven was manufactured for household use only.
3. This oven may be built into a wall cabinet, if desired, by using the proper trim kit, which may be purchased from a local Panasonic dealer.
   Follow all installation instructions packed with kit.
   See page 14, Technical Specifications.

## Wiring Requirements

1. The oven must be plugged into at least a 15 AMP 120 VOLT, 60 Hz GROUNDED OUTLET.
   Where a standard two-prong outlet is encountered, it is the personal responsibility and obligation of the consumer to have it replaced with a properly grounded three-prong outlet.



2. A TEMPORARY CONNECTION with a two-prong adaptor may be made where LOCAL CODES PERMIT it. Unless the cover screw is grounded through the house wiring, attaching the adaptor grounding plate to the cover screw will not ground the oven. If there is any doubt that the cover screw is grounded, have it checked by an electrician.



3. The oven must be on a SEPARATE CIRCUIT. No other appliance should share the circuit with the microwave oven. If it does, the branch circuit fuse may blow or the circuit breaker may trip, or the food may cook slower than times recommended in Cookbook.
4. The VOLTAGE used must be the same as specified on this microwave oven (120 V). Using a higher voltage is dangerous and may result in a fire or other accident causing oven damage. Using a lower voltage will cause slow cooking. Panasonic is NOT responsible for damage resulting from the use of the oven with other than specified voltage.

## Grounding Instructions

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

**WARNING**—Improper use of the grounding plug can result in a risk of electric shock.
Consult a qualified electrician or service person if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.
If it is necessary to use an extension cord, use only a three wire extension cord that has a three blade grounding plug, and a three slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord should be equal to or greater than the electrical rating of the appliance.

## Power Supply

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.
3. If a long cord or extension cord is used, (1) the marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance, (2) the extension cord must be a grounding-type 3-wire cord, and (3) the longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be pulled on by children or tripped over accidentally.

## Metal Tray

1. Do not operate the oven without the Metal Tray in place when cooking by Microwave or Combination. Remove metal tray when using BROIL or BAKE.
2. Only use the Metal Tray specifically designed for this oven. Do not substitute any other Metal Tray.
3. If Metal Tray is hot, allow to cool before cleaning or placing in water.
4. Metal Tray can turn in either direction.
5. If food or utensil on Metal Tray touches oven walls, causing the turntable to stop moving, the turntable will automatically rotate in opposite direction. This is normal.
6. Do NOT cook directly on metal tray when performing microwave cooking. Always place food in a dish, on a rack set in a dish. For Combination cooking, place meats and poultry on the Spatter Shield set in Metal Tray. Follow specific instructions in the Panasonic cookbook for proper use of oven accessories and cookware.
7. While cooking by microwave or combination, metal tray may vibrate. This will not affect cooking performance.

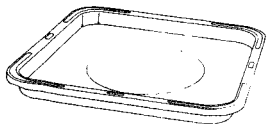
## Radio Interference

1. Operation of the microwave oven may cause interference to your radio, TV or similar equipment.
2. When there is interference, it may be reduced or eliminated by taking the following measures:
   a. Clean door and sealing surfaces of the oven. (See Care of Your Microwave Oven found on page 15.)
   b. Place the radio, TV, etc. away from the microwave oven as far as possible.
   c. Use a properly installed antenna, to obtain stronger signal reception.

## Follow These Safety Precautions When Cooking In Your Microwave/Flat Heater Oven

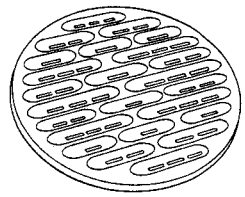
1. Do not use your combination oven for home canning or the heating of any closed jar. Pressure will build up and the jar may explode. In addition, the combination oven cannot maintain the food at the proper canning temperature. Improperly canned food may spoil and be dangerous to consume.
2. Cooking utensils get hot during Baking, Combination, Broiling and Microwaving. Use potholders when removing utensils and metal tray from the oven or when removing lids or plastic wrap covers from cooking utensils to avoid burns.
3. The metal tray will get hot during cooking. It should be allowed to cool before handling or before paper products, such as paper plates, napkins or microwave popcorn bags, are placed in the oven for microwave cooking.
4. During cooking heat is transferred from the hot food to the cooking utensil and from the utensil to the metal tray. The metal tray can be very hot after removing cooking utensils from oven.
5. The oven door and the interior walls will get hot during Combination, Baking and Broiling.
6. Small quantities of food or foods with low moisture content can dry out, burn or catch on fire. If a fire occurs, turn oven off and leave oven door closed. Disconnect the power cord or shut off power at the fuse or circuit breaker panel.
7. Popcorn must be popped in a microwave oven corn popper. Microwave corn poppers are available through many retail stores. Microwave popcorn which pops in its own package is also available. Each brand of microwave popcorn recommends that their popcorn be used in microwave ovens listed at a specific wattage. For example: "Use in a microwave oven 600 watts or greater", or "Tested in microwaves of 450 to 1000 watts". Follow popcorn manufacturers' directions and use a brand suitable for a 700 watt microwave oven.
   For best results, popping bag should be elevated on a microwave-safe rack in oven. To avoid overheating, recommended popping time is 3 minutes (3.5 oz.)
8. **Do not** attempt to deep fat fry in your microwave oven. Oil can be heated beyond ideal temperatures very quickly in a microwave oven. Temperatures can climb high enough for the cooking oils to reach their respective flash points and burst into flames. The heated oil may bubble and spatter causing possible damage to the oven and perhaps resulting in burns. Additionally, microwave safe utensils may not be able to withstand the temperature of the hot oil, and could result in the utensil shattering if it contains even a slight imperfection, scratch or chip.
9. Do not heat eggs in their shell in a microwave oven. Pressure will build up and the eggs will explode.
10. Potatoes, apples, egg yolks, whole squash and sausages are examples of foods with nonporous skins. These types of foods must be pierced before Microwave or Combination cooking to prevent bursting.
11. Use fresh potatoes for baking and cook until just done. The potatoes will still feel firm to the touch, but are easily pierced with a fork. Overcooking causes dehydration and may cause a fire.
12. Heated liquids can erupt if not mixed with air. Do not heat liquids in your microwave oven without first stirring.
13. Heat only 1 frozen dinner or entree by microwave in your oven at a time. If dinner or entree is heated in a foil tray, place foil tray on microwave-safe rack in center of oven. Leave at least 1-inch space between foil tray and oven walls to avoid arcing.
14. Drying meats, herbs, fruits, vegetables and herbs is not recommended.
15. Do not use a conventional meat thermometer for Microwave or Combination cooking. Arcing may occur. Do not use a Microwave meat thermometer for Combination cooking or Baking. It may melt.
16. Do not use paper towels or cloths which contain a synthetic fiber woven into them. The synthetic fiber may cause the towel to ignite.
17. Do not use paper bags or recycled paper products in the microwave oven.
18. Do not use the oven for any reason other than the preparation of food.
19. Do not leave oven unattended while in use.
20. Microwave browning dishes or grills are designed for microwave cooking only. Preheating times vary depending on the size of the browning dish and food being cooked. Always follow instructions provided by the browning dish or grill manufacturer. Do not preheat browning dish longer than 8 minutes.
21. If an oven cooking bag is used for Microwave cooking, prepare according to package directions. Do not use wire twist–tie to close bag. Instead use nylon tie, a piece of cotton string or a strip cut from the open end of the bag. Make six ½-inch slits by closure. Place oven cooking bag in a dish slightly larger than the food being cooked.
22. When using foil, skewers, warming rack or utensils made of metal in the oven for Microwave or Combination cooking, allow at least 1-inch of space between metal material and interior oven walls. If arcing (sparking) occurs remove metal material (skewers, etc.) and/or transfer to a non-metallic container.
23. Dishes with metallic trim should not be used during Microwave or Combination cooking. Arcing may occur.

# Accessories and Use



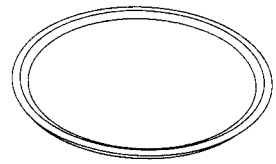
**Oven Pan**

Oven Pan is used for BAKE and BROIL. Do not use the Oven Pan for Microwave or Combination.



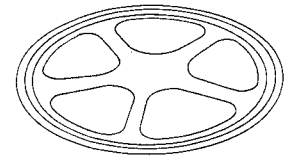
**Spatter Shield**

The Spatter Shield is used for COMBINATION and BROIL to help prevent spattering.



**Metal Tray**

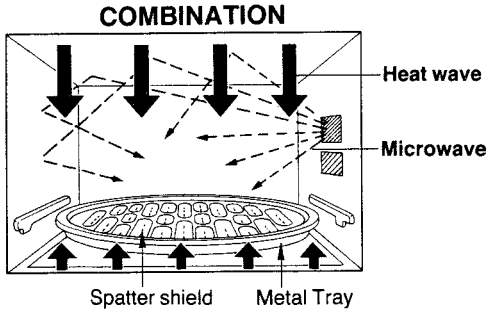
Metal Tray is used for COMBINATION and MICROWAVE. Remove Metal Tray when using BROIL or BAKE.



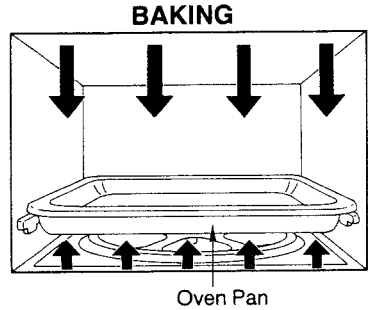
**Metal Turntable**

The metal turntable should always remain in the oven. It should never be removed when oven is in operation.

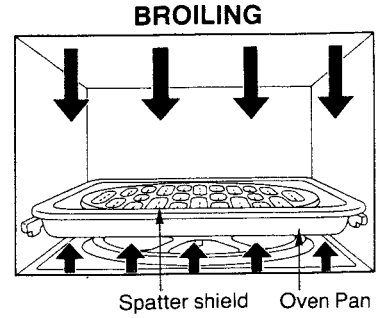
**COMBINATION**




**BAKING**

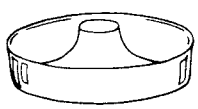
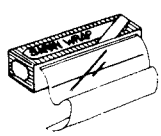
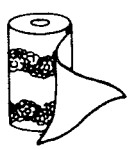



**BROILING**




# Cooking Utensils

Following is a summary chart which describes the correct use of cooking utensils in your microwave/flat heater oven.

| Cookware | | Microwave | Bake | Combination | Broiling |
|---|---|---|---|---|---|
| | Heat-Resistant Glass, Glass-Ceramic (Pyrex®, Fire King®, Corning Ware®, etc.) | YES (Do not use utensils with metal trim) | YES | YES | YES, if heat-safe to 450°F |
| | Ceramic | YES (Do not use utensils with metal trim) | YES | YES (Do not use utensils with metal trim) | NO |
|  | Metal | NO | YES | YES (Use metal oven accessories included with this oven only) | YES |
|  | Non Heat-Resistant Glass | NO | NO | NO | NO |
| | Microwave-Safe Plastics | YES* (Start cooking time only) | NO | NO | NO |
|  | Plastic Films & Wraps | YES* | NO | NO | NO |
| | Paper Products | YES* | NO | NO | NO |
| | Straw, Wicker & Wood | YES* | NO | NO | NO |
| | Browning Dishes | YES | NO | NO | NO |

*If Bake or Combination was used prior to Microwave, allow metal tray to cool 15–20 min. before using these dishes.

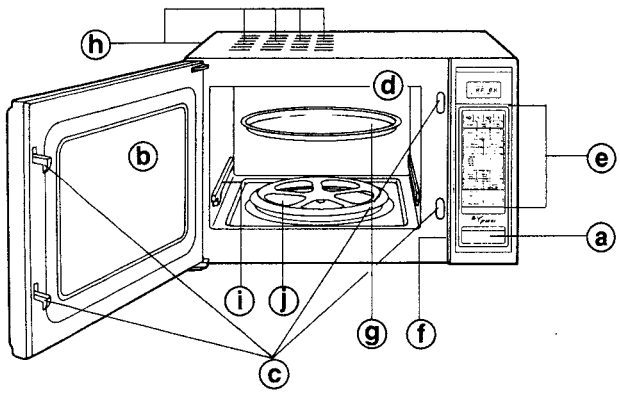
NOTE: FOR MORE INSTRUCTIONS ON THE CORRECT USE OF UTENSILS IN YOUR OVEN, PLEASE READ THE INTRODUCTION SECTION IN THE PANASONIC COOKBOOK.

## Accessory Use Chart

The following chart is the correct way to use all accessories supplied with this oven. Use only the accessories included with this oven. For more detailed instructions, refer to the Panasonic Cookbook.

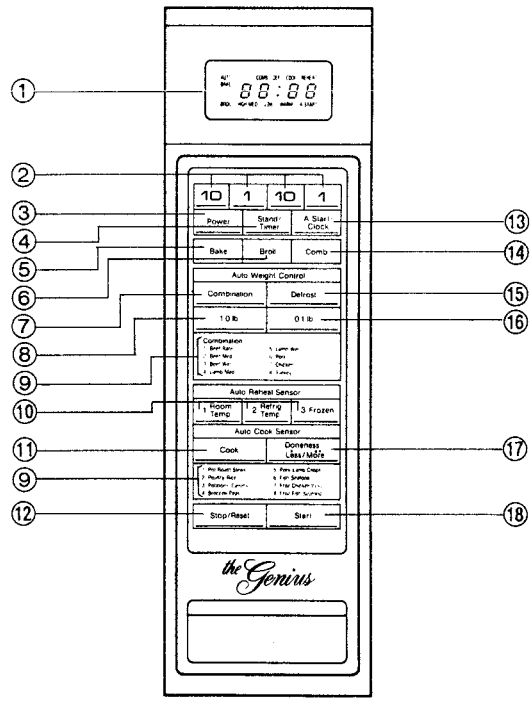
| Accessories | Microwave | Bake | Combination | Broil |
|---|---|---|---|---|
| Oven Pan | No | Yes | No | Yes |
| Spatter Shield | No | No | Yes | Yes |
| Metal Tray | Yes | No | Yes | No |
| Metal Turntable | Yes | Yes | Yes | Yes |

# Feature Diagram




- ⓐ Door Release Button
- ⓑ Oven Window
- ⓒ Door Safety Lock System
- ⓓ Oven Air Vents
- ⓔ Control Panel
- ⓕ Identification Plate
- ⓖ Metal Tray
- ⓗ External Oven Air Vents (top and back)
- ⓘ Oven Pan Rack Guides
- ⓙ Metal Turntable

# Control Panel




## Controls with Auto Count-Up Feature*

- ① Display Window
- ② Time Pads*
- ③ Power Pad*
- ④ Stand/Timer Pad
- ⑤ Bake Pad*
- ⑥ Broil Pad*
- ⑦ Auto Weight Combination Pad*
- ⑧ 1.0 Pound Pad*
- ⑨ Cooking Guide
- ⑩ Auto Sensor Reheat Pads
- ⑪ Auto Sensor Cook Pad*
- ⑫ Stop/Reset Pad
- ⑬ A. Start/Clock Pad
- ⑭ Combination Pad*
- ⑮ Auto Weight Defrost Pad
- ⑯ 0.1 Pound Pad*
- ⑰ Doneness Control Pad
  - Less Pad
  - More Pad
- ⑱ Start Pad

# Controls and Operation Procedure

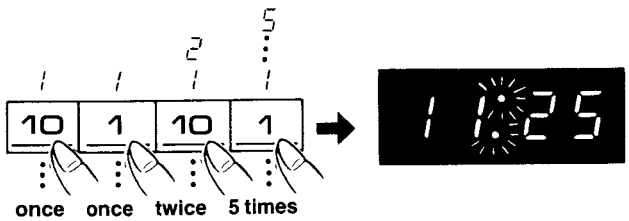
## A. START/CLOCK Pad:

When oven is first plugged in, "88:88" will appear in the display window.

### To set clock

**Step 1. Touch A. START/CLOCK Pad.**
▶ Colon will blink.

**Step 2. Enter time of day by pressing appropriate TIME Pads.**
▶ Time appears in display window; colon is blinking.
**Example: To set 11:25**
Press TIME Pads from left to right as follows:



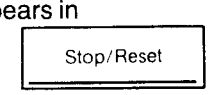

**Step 3. Touch A. START/CLOCK Pad.**
▶ Colon stops blinking; time of day is entered and locked into display.

**NOTES ON CLOCK:**

1. To reset time of day, repeat step 1 trough step 3.
2. The clock will keep the time of day as long as oven is plugged in and electricity is supplied.
3. To delete "88:88" indication, touch STOP/RESET Pad.
4. This is a 12 hour clock with no distinction between AM and PM.

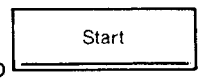
## STOP/RESET Pad:

**Before cooking:** One tap clears your instructions.
**During cooking:** One tap temporarily stops the cooking process. Another tap cancels all your instructions and time of day appears in display window.



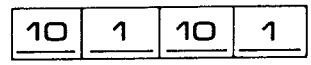

## START Pad:

One tap allows oven to begin functioning. If door is opened or STOP/RESET Pad is tapped once during oven operation, START Pad must again be touched to restart oven.




## TIME Pads:

1. **Microwave and Broil**
   The Pads serve as a 10 minute pad, 1 minute pad, 10 second pad and 1 second pad from the left, and can be programmed up to 99 minutes and 99 seconds.




**Example: To set 13 minutes 45 seconds**

Touch;
10 MIN Pad: once
1 MIN Pad: 3 times
10 SEC Pad: 4 times
1 SEC Pad: 5 times

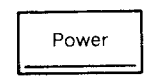
2. **Combination and Bake**
   The Pads serve as a 1 hour pad, an inoperable pad, 10 minute pad and 1 minute pad from the left, and can be programmed up to 9 hours 99 minutes.

**Example: To set 2 hours 25 minutes**

Touch;
1 HOUR Pad: twice
10 MIN Pad: twice
1 MIN Pad: 5 times

## POWER Pad:

Automatically counts down High to Warm. When cooking with a power other than HIGH, the oven must cycle to obtain the lower power levels. The oven light dims and clicking noises can be heard when the oven cycles.
The following is the approximate wattage for each power level.




| | |
|---|---|
| HIGH power | (700 watts/Full power) |
| MEDIUM power | (490 watts/70% power) |
| MEDIUM-LOW power | (370 watts/55% power) |
| DEFROST power | (245 watts/35% power) |
| LOW power | (210 watts/30% power) |
| WARM power | (80 watts/10% power) |

## Door Release Button:

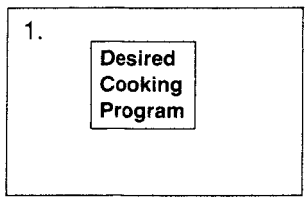
**Opening Door:**
Opening the door during cooking will stop the cooking process without cancelling the program. Cooking resumes as soon as the door is closed and START Pad is touched. The oven light will stay on or turn on whenever the door is opened.

**Beep Sound:**
When a pad is touched correctly, a beep will be heard. If a pad is touched and no beep is heard, the unit has not or cannot accept the instruction. The oven will beep twice between programmed stages. At the end of any complete program, the oven will beep 5 times. At the end of preheat, the oven will beep 3 times.

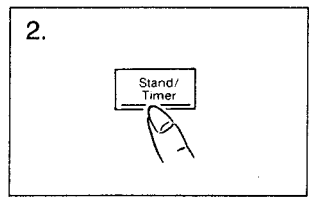
# MICROWAVE

## Stand/Timer

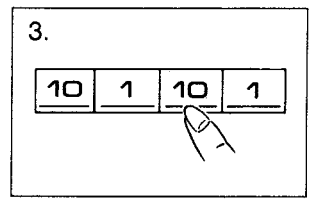
This feature allows you to program a Stand Time after cooking is completed and to program the oven as a minute timer and/or to program delay start.



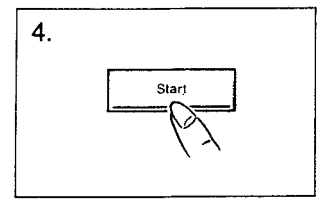

**•Program desired cooking program according to directions given in this manual.**




**•Touch STAND/TIMER Pad.**




**•Set desired amount of time by pressing TIME Pads.**



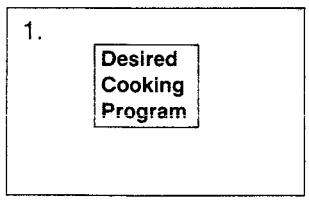

**•Touch START Pad.**

**NOTES ON STAND/TIMER:**

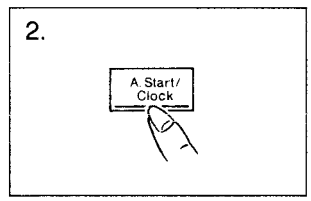
1. This pad can also be utilized as a timer if you start from step 2 as shown above.
2. If oven door is opened during the Stand Time or Timer, the time in display window will continue to count down.
3. To program delay start, follow steps 2 and 3 then follow step 1 to START Pad.

## Auto Start

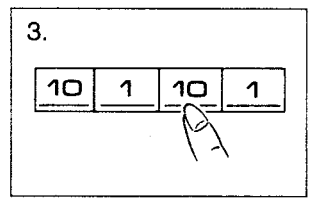
This feature allows you to program the time of day you want cooking to start.



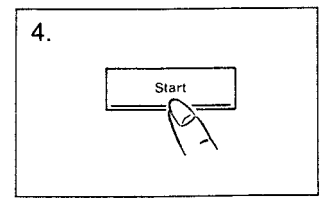

**•Program desired cooking program according to directions given in this manual.**




**•Touch A. START/ CLOCK Pad.**




**•Set the time of day you want the oven to begin cooking by pressing TIME Pads.**




**•Touch START Pad.**

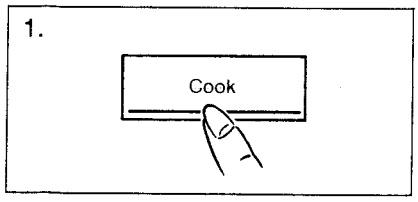
**NOTES ON AUTO START:**

1. With the Auto Start feature, the oven may be programmed up to 11 hours and 59 minutes before cooking starts.
2. To recall selected start time before cooking, press AUTO START Pad. Start time will appear in display window while your finger is touching the pad.
3. One or two stage cooking can be programmed after Auto Start.
4. Auto Start cannot be programmed before any Auto Control Function, Defrost or Broil. This is to prevent the starting temperature of the food from rising before defrosting or cooking begins. A change is the starting temperature could cause inaccurate results.
5. Auto Start cannot be programmed unless clock is set.

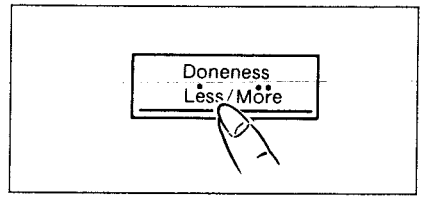
## Auto Sensor Cooking

Auto Sensor Cooking allows you to cook many of your favorite foods without having to select cooking times and powers. The oven does it all automatically.
For proper cooking results on Auto Sensor Cooking, be sure to cover foods securely with plastic wrap or place foods in a casserole with a proper fitting lid.
For further information on Auto Sensor Cooking refer to the Panasonic Cookbook and Auto Sensor recipes.

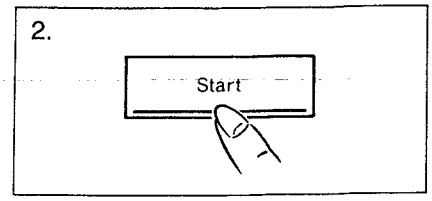
# MICROWAVE




- **Touch the AUTO SENSOR COOK Pad until the desired Auto Sensor Cycle number (1–8) appears in display window.**




- **Touch Doneness Control Pad only if you wish to alter cooking results.**
  **(1 tap: LESS cooking**
  **2 taps: MORE cooking)**




- **Touch START Pad.**

## Doneness Control Pads:

Preferences for food doneness vary with each individual. After having used Auto Sensor Cooking a few times, you may decide you would prefer your food cooked to a different doneness. By using the Doneness Control, the Auto Sensor programs can be adjusted to cook food for a longer or shorter time. If you are satisfied with the result of cooking with the built-in Auto Sensor program, you don't need to use the DONENESS CONTROL Pad.

**NOTES ON AUTO SENSOR COOKING:**

1. The Auto Sensor system works by detecting a build-up of steam on the humidity sensor. As foods cook in a microwave oven, steam is produced. When foods are covered, the steam will build up and escape from the dish in a burst. This burst of steam is detected by the humidity sensor and then the oven automatically calculates the remaining cooking time.
2. When an Auto Sensor Cycle is selected, 1 through 8 will appear in the display window. The oven door should not be opened for longer than one minute when 1 through 8 appears in the display window and START Pad is touched. Opening the door may cause inaccurate cooking results. Once the steam is detected, a two beep signal is heard, and the remaining cooking time immediately appears in the display window and begins to count-down. At this time, the oven door may be opened to stir, turn or add foods.
3. Auto Sensor Cooking is successful with the foods and recipes found in the Panasonic Cookbook and marked with the Symbol [A]. Because of the vast differences in food composition, recipes and charts without the Auto Sensor symbol should be prepared in your microwave oven by power and time.
4. The room air temperature surrounding the oven should not be above 95°F when using the Auto Sensor feature. Inaccurate cooking may result.
5. Foods less than 3 or 4 ounces (90–120 g) should be cooked by power and time, not by the Auto Sensor feature.
6. When the remaining cooking time is over 60 minutes, the time will appear as hours and minutes.
7. All foods for Auto Sensor cooking are taken from their normal storage place.
8. Before using the Auto Sensor feature make sure Metal Tray in the oven is dry to assure best Auto Sensor Cooking results.
9. Stand time or a power level can be programmed after Auto Sensor Cooking.
10. If Auto Sensor Cooking is programmed a short time after Bake, Broil or Combination Cooking, "HOT" will appear in display window. The HOT sign indicates that the oven cavity is too hot for the proper operation of the Auto Sensor Function. While the HOT sign is in display window, the unit cannot be operated by Auto Sensor, and room temperature air is circulated in the oven cavity to cool it. You may leave the door ajar to cool the unit. After the unit is cooled, the oven beeps 5 times and time of day appears in display window. Auto Sensor cycles can now be programmed. The oven can cool it with self-contained cooling fan by touching START Pad on "HOT" indicated condition.
11. The appropriate food categories for each Auto Sensor Cycle are as follows.

| Cycle | Food | Cycle | Food |
|---|---|---|---|
| 1 | Pot Roast/Stews | 5 | Pork Chops/Lamb Chops |
| 2 | Poultry/Rice | 6 | Hamburgers/Pasta/Fish/Seafood |
| 3 | Potatoes/Carrots | 7 | Frozen: Pork Chops/Lamb Chops/ Hamburgers/Chicken Pieces |
| 4 | Broccoli/Cauliflower/Beans/Peas | 8 | Frozen: Fish Fillets/Fish Steaks/Shrimp/ Scallops |

# ONE YEAR LIMITED WARRANTY

## Panasonic Microwave Oven Limited Warranty

Panasonic Company, Panasonic Hawaii, Inc., or Panasonic Sales Company (collectively referred to as "Panasonic") will repair this product free of charge in the U.S.A. or Puerto Rico, as follows:

Parts (except magnetron tube)—new or rebuilt parts in exchange for defective parts for one (1) year from the date of original purchase.

Magnetron Tube—new or rebuilt magnetron tube in exchange for defective magnetron tube for five (5) years from the date of original purchase.

Labor—carry-in service for one (1) year from the date of original purchase on all parts except magnetron tube. Carry-in service for five (5) years from the date of original purchase on the magnetron tube. After the labor warranty period is over, purchaser pays for all labor charges for removal and installation of parts and magnetron tube.

Carry-in service in the continental U.S.A. can be obtained during the warranty period from a Matsushita Services Company (MSC) Factory Servicenter listed in the Servicenter Directory. Or call 800-447-4700, toll free, to locate an authorized Servicenter. Carry-in service in Puerto Rico or Hawaii can be obtained during the warranty period by calling the telephone numbers listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use and does not cover glass, plastic parts, temperature probes (if included), and exterior and interior finish. It does not cover damage which occurs in shipment or failures which are caused by products not supplied by Panasonic, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, or commercial use such as hotel, office, restaurant or rental use of the product, or service by anyone other than a MSC Factory Servicenter or authorized Servicenter, or damage that is attributable to acts of God.

### LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

PANASONIC SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Consumer Affairs Division at the company address indicated below.

This warranty is only valid in the U.S. Military Base and in the U.S.A
In Home service is not available in Europe, Asia and the Pacific areas.

# Convertible 50 Hz/60 Hz

This oven can be used at both 50 Hz and 60 Hz area without any adjustment.

| | |
|---|---|
| **European Countries:** | |
| on base | 50 Hz |
| | (60 Hz in some area) |
| off base | 50 Hz |
| **Japan:** | |
| Tokyo Area and Misawa | 50 Hz |
| Other Areas (Iwakuni, Sasebo, Okinawa) | 60 Hz |
| **Other Pacific Areas:** | |
| Guam, Korea, Philippines, Taiwan | 60 Hz |

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